

## **System and Method for Simulation, Modeling and Scheduling of Solution Preparation in Biopharmaceutical Batch Process Manufacturing Facilities**

### *Abstract*

*Computer program product*  
A method and *system* for simulating, modeling and scheduling solution preparation in the biopharmaceutical production process is described herein. The *computer program product* *system* and method includes the steps of identifying a solution for preparation and its associated volume. After the solution for preparation is identified, a predetermined start date and one successive start date for solution preparation for the solution are identified. After the solution, start and successive start dates are identified, the solution is assigned to a preparation vessel. After the solution has been assigned to a preparation vessel, the duration of the solution preparation procedure is determined and assigned to the solution preparation vessel.

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